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(54) Title: ERYTHROPOIETIN: REMODELING AND GLYCOCONJUGATION OF ERYTHROPOIETIN

(57) Abstract: The invention includes methods and compositions for remodeling a peptide molecule, including the addition or deletion of one or more glycosyl groups to a peptide, and/or the addition of a modifying group to a peptide.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/31974

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) : A01N 43/04

US CL : 514/23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/23

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST: EPO and glycosylation, glycosylate

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TAKEUCHI et al. Role of Sugar Chains in the in vitro Biological Activity of Human Erythropoietin Produced in Recombinant Chinese Hamster Ovary Cells. J. Biol. Chem. 25 July 1990, Vol. 265, No. 21, pages 12127-12130, see entire document.	1-11
A	US 4,414,147 A (KLIBANOV et al.) 08 November 1983 (08.11.1983), see entire document, and claims 1-3.	12-77
A	US 6,183,738 B1 (CLARK) 06 February 2001 (06.02.2001), see entire document, and claims 1-22.	12-77

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"T"
"A" document defining the general state of the art which is not considered to be of particular relevance	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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